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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/667,662	09/23/2003	Chang Sup Lee	3449-0272P	9108

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BIRCH STEWART KOLASCH & BIRCH
PO BOX 747
FALLS CHURCH, VA 22040-0747

EXAMINER

PARRA, OMAR S

ART UNIT	PAPER NUMBER
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2623

NOTIFICATION DATE	DELIVERY MODE
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08/07/2007

ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

mailroom@bskb.com

Office Action Summary	Application No.		Applicant(s)	
	10/667,662		LEE ET AL.	
	Examiner		Art Unit	
	Omar Parra		2623	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☐ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim of priority over application number 71871/2002 filed on November 19, 2002 in Korea.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims **1-20** are rejected under 35 U.S.C. 102(e) as being anticipated by Allport (Patent No. 6,567,984).

Regarding claims 1, 11 and 12, Allport teaches an apparatus (with respective method) for displaying a digital broadcasting, comprising:

a processing means for separating AV broadcast signals and data broadcast signals from broadcast signals of at least one channel (**CPU 155, Fig. 3; col. 4 lines 36-54; col. 7 line 60-col. 8 line5; col. 13 lines 20-25**) ;

an input means for inputting a display setup request (**remote control 10, Fig. 1 with respective hard and/or soft buttons, col. 6 lines 23-49; col. 9 lines 46-65; col. 10 lines 43-65; col. 12 lines 10-42**);

a mixing means for selectively mixing the AV broadcast signals and the data broadcast signals according to the display setup request inputted from the input means (**Multiplexer 175 if mixed signal is sent to remote control 10, or Analog Switching and Mux 265, if sent to television; col. 13 lines 15-67**); and

at least one display means for displaying the mixed signals provided from the mixing means (**80 and 10, Fig. 2, col. 5 lines 60-65**).

Regarding claims 2 and 13, Allport teaches an apparatus (with respective method) wherein the processing means include:

at least one tuning means for receiving and tuning the broadcast signals of at least one channel (**125, Fig. 3 and the tuners from the TV; col. 3 lines 60-65**); and

a separating means for separating the AV broadcast signals and the data broadcast signals from the tuned broadcast signals (**CPU 155, Fig. 3; col. 4 lines 36-54; col. 7 line 60-col. 8 line 5; col. 13 lines 20-25**).

Regarding claims 3 and 14, Allport teaches an apparatus (with respective method), wherein the display setup request includes the kinds of display units and screen configurations of display units (**User sets up or requests the kind of display used to play content, TV and/or the remote control, col. 6 lines 50-65, col. 7 line**

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11- col. 8 line 25, col. 9 lines 46-65. Screen configuration of the display, attributes, can also be requested through the remote control, col. 35-42).

Regarding claims 4 and 7-9, Allport teaches an apparatus (with respective method wherein the AV broadcast signal of one channel is displayed on one display unit among the at least one display unit **(col. 3 lines 50-65, col. 4 lines 56-63, col. 8 lines 6-26, col. 9 lines 46-65).**

Regarding claim 5, Allport teaches an apparatus (with respective method), wherein the AV broadcast signal of one channel and the data broadcast signals of other channels are displayed on one display unit among the at least one display unit **(col. 9 lines 46-65 or given that there are different inputs to the base station 75, 85 or analog data, and that they can be multiplexed before transmission, it is inherent that the multiplexed signals can be composed of any of them including data to be transmitted to either, or both of the remote or the television).**

Regarding claim 6, Allport teaches an apparatus (with respective method), wherein the data broadcast signal of one channel is displayed on another display unit among the at least one display unit **(col. 12 lines 9-42).**

Regarding claims 10 and 20, Allport teaches an apparatus (with respective method), wherein the at least one display unit are any one of a television display device, a monitor display device, and a terminal display device **(80 and 10, Figs. 1 and 2)**.

Regarding claim 15, Allport teaches an apparatus (with respective method), wherein the input means is any one of a remote controller, a keyboard, a mouse, a keypad, and a touch pad **(Remote control 10 and/or col. 6 lines 23-41)**.

Regarding claims 16 and 19, Allport teaches an apparatus (with respective method),
wherein the at least one display means include:

a first display unit for displaying AV broadcast signal of one channel **(Television 80, Fig. 2)**;

a second display unit for displaying data broadcast signal of one channel **(Remote control 10, col. 12 lines 10-42)**; and

a third display unit for displaying the AV broadcast signal and the data broadcast signal of one channel **(More than two displays can be used, col. 8 lines 61-67. However, for ease in the explanation, another TV can be hooked up to receive the broadcast signal and inherently would present the AV and data broadcasted, col.9 lines 45-65)**.

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Regarding claim 17, Allport teaches an apparatus (with respective method), wherein the first display unit displays the AV broadcast signal of one channel and the data broadcast signals of other channels (**col. 9 lines 46-65 or given that there are different inputs to the base station 75, 85 or analog data, and that they can be multiplexed before transmission, it is inherent that the multiplexed signals can be composed of any of them including data to be transmitted to either, or both of the remote or the television**).

Regarding claim 18, Allport teaches an apparatus (with respective method), wherein the second display unit displays AV broadcast signals of at least one channel (**The remote control is able to receive and display any channel and data embedded in it by itself or in conjunction with TV 80; col. 3 lines 50-65, col. 4 lines 56-63, col. 8 lines 6-26, col. 9 lines 46-65**).

Conclusion

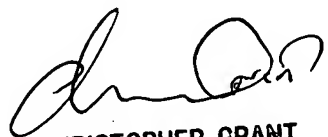
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Omar Parra whose telephone number is 571-270-1449. The examiner can normally be reached on Under Academy Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Grant can be reached on 571-272-7294. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

OP



CHRISTOPHER GRANT
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600